

Camshaft Adjuster for Internal Combustion Engines of Motor Vehicles

Abstract

A camshaft adjuster for internal combustion engines of motor vehicles has a stator having a casing and stays connected to the casing and projecting radially inwardly. A rotor rotatable relative to the stator is fastened on the camshaft. The rotor has a rotor base member and vanes connected thereto. The vanes project into spaces between the stator stays. The stays each have an end face that rest sealingly against the rotor base member. The vanes of the rotor each have an end face resting sealingly against an inner peripheral wall of the stator. At least one of the vanes of the rotor has a damping element and the stator has at least one counter damping element. Upon rotation of the rotor into its end position, the damping element interacts with the counter damping element and slows the movement of the rotor into the end position.